Frequency Converter No Output Short Circuit Protection

TECH WRITER:

Aircraft Certification Service

Transport Airplane Directorate "Short" Domestic Worksheet 2004-MM-DOCKET NUMBER: 100-AD

	OSED CORRESPONDING A	RECL		
	Emergency AD		Is this action one of the following?	
Immediately Adopted AD			Is this action one of the following? Supersedure of AD ANA Supersedure of AD	
X	Notice of Proposed Rulemaking		Revision of AD (Docket No. TBD) 714	
	Final rule after NPRM		Supplemental NPRM (Docket No. TBD)	
	(If FRAN, complete Attachment A.)		(If any of the above is checked, complete Attachment B.)	
	Other (No-Notice Final Rule)			
ACO P	roject Engineer Name/Title:	1	Binh V. Tran / Aerospace Engineer	
Branch		Telephone:	425-917-6485	
Backup	Engineer:	_ Telephone:		
	irplanes: 4		evision 0, dated December 11, 2003 $3 - 8/14/03$ orldwide airplanes: 4	
Source: AD Sui 2. What	mmary and Discussion Sections: has the manufacturer told the FAA? e background/events that prompted the		"The FAA has received reports indicating that"	
Source: AD Sur 2. What Describ Boeing circuit b	mmary and Discussion Sections: has the manufacturer told the FAA? e background/events that prompted the analysis has shown that a hard short c	e AD in 1-2 sent	"The FAA has received reports indicating that"	
Source: AD Sur 2. What Describ Boeing circuit b	mmary and Discussion Sections: has the manufacturer told the FAA? e background/events that prompted the analysis has shown that a hard short coreaker will produce a continuous curre	e AD in 1-2 sent	"The FAA has received reports indicating that" ences. Refer to SB 'Reason.' In the output of frequency converter and its downstream	

Frequency Converter has no output short circuit protection, may cause overheat condition.					
Frequency Converter has no output short circuit protection, may cause overheat condition.					
3b. What is the end-level effect on the airplane? "which could result in Provide a 1-sentence description; use non-technical terms."	"				
If the output of Frequency Converters is shorted, it will overheat, potential causing a wire bundle failure. The bun failure may affect other systems sharing the impacted bundle.	dle				
AD Relevant Service Information Section:					
4. (Yes or No) Is the corrective action required in this AD considered to be interim action?					
NO					
5. (Yes or No) Is this action considered 'sensitive', or is it related to a Safety Recommendation? (If yes, state why sensitive, and/or provide copy of FAA/NSTB Safety Recommendation.)					
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(If yes, state why sensitive, and/or provide copy of FAA/NSTB Safety Recommendation.) 6. Does the referenced service document include reference to an "operator's equivalent procedure?" [If yes, specify whether that procedure employed by the operator (even if not technically 'equivalent') adequately addresses the identified unsafe condition and provides an acceptable level of safety.]					
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\$11,000.00 per airplane

F:\AD\Frequency converter757.DOC

9. AD Body Section:			
For EACH corrective action	n, mark up SB, if usable -OR-	fill out Corre	ctive Action Table below.
S3, change the wires with his Service Bulletin 757-25-025	stall three relay assemblies wigher permitted temperature. A 5, Rev New, dated December to or concurrence with Within 18 months f	ith power cut-oall the above as 11,2003. SII	
9b: Action # 2 What is the corrective action What is its compliance time (Add grace period if not ava What is repetitive interval?	?		
10. (Yes or No) Should cor	rective action(s) required in th	his AD to be a	pplied to spares as well?
NO ? Page 22 11. Should a ferry flight po *List limitations. 12. With whom outside the	ermit be: X Permitted FAA has this proposal been d		with limitations* Prohibited
	d be completed prior to submi		
<u>Organization</u> BACG ATA	<u>Person Contacted</u> David Nguyen Charlie Bautz	<u>Date</u> 11/02 01/13/04	Reaction Concurrence Concurrence
Yes No X Does	this action affect the Presiding action affect the FAA	fleet?	cted unapproved parts (SUP)?
14. Check the category than X Design Problem Maintenance	t best describes the cause of the Unapproved Parts Quality Control Proble **Reporting Reqt Need	m**	dition addressed by this AD: Operational Other (specify):